1	In the claims:			
2	1. A method for enabling users of a network to create, store, and provide access to			
3	relationships among document objects stored on the network, the method comprising the			
4	steps of:			
5	allowing a user of the network to create a link relationship between a first	st		
6	document object and a second document object;			
7	storing the link relationship in one or more link directories; and			
8	providing all users of the network access to the link relationships stored	in		
9	the one or more link directories based upon the document object currently			
10	accessed by the user.			
11	2. The method of claim 1, wherein the providing step comprises providing access			
12	only to authorized users.			
13	3. The method of claim 1, further comprising authorizing users of the network to			
14	perform the allowing, storing and providing steps.			
15	4. The method of claim 1, wherein the allowing step comprises:			
16	a first user locating a first document object;			
17	the first user locating a second document object related to the first			
18	document object in some manner determined by the first user; and			
19	the first user creating a link relationship between the first document obje	ct		
20	and the second document object.			
21	5. The method of claim 4, wherein one or more of the steps of the method are			
22	accomplished by automated procedures not requiring interaction with the user.			
23	6. The method of claim 1, wherein the storing step comprises:			
24	storing a link relationship entry in a link relationship table, wherein the			
25	link relationship entry comprises fields including a first link reference to the first	t		
26	document object and a second link reference to the second document object;			
27	assigning link relationship attributes to the link relationship entry; and			
28	setting a directional indicator for the link relationship entry.			
29	7. The method of claim 6, wherein the step of storing the link relationship in one of	r		
30	more link directories further comprises:			
31	storing the first link reference to the first document object in a document			
32	object table;			
33	assigning document object attributes to the first link reference associated	L		
34	with the first document object:			

- storing the second link reference to the second document object in a document object table; and
- 3 assigning document object attributes to the second link reference
- 4 associated with the second document object.
- 5 8. The method of claim 7, wherein one or more of the link relationship attributes are
- 6 set; and a directional indicator for the link relationship attribute is set by associating one
- 7 document object attribute for the first link reference with one document object attribute
- 8 for the second link reference.
- 9 9. The method of claim 4 further comprising displaying to a second user a link
- 10 reference to a document object related to a document object the second user is currently
- accessing, wherein the link reference displayed to the second user is determined by
- identifying those link relationships stored in the one or more link directories that include a
- link reference to a network address of the currently accessed document object.
- 14 10. The method of claim 9, wherein the displaying step comprises displaying more
- than one link reference from one or more link directories.
- 16 11. The method of claim 9, wherein the displaying step comprises sorting and
- 17 presenting one or more link references by the one or more link directories storing the link
- 18 references.
- 19 12. The method of claim 11, wherein the displaying step comprises sorting and
- 20 presenting the one or more link references by attributes of the link relationships and link
- 21 references.
- 22 13. The method of claim 1, wherein the method is used on one or more of: a private
- 23 network, a closed network, a public network, and a private network that is connected to a
- 24 public network.
- 25 14. The method of claim 1, wherein the one or more link directories are accessible
- only by a specific individual user of a client device.
- 27 15. The method of claim 1 wherein the one or more link directories may be stored on
- a server connected to the network by means of a secure connection.
- 29 16. The method of claim 1 further comprising assigning attributes to the link
- relationship established between the first document object and the second document
- 31 object.
- 32 17. The method of claim 16 further comprising assigning attributes to a first link
- 33 reference to the first document object and a second link reference to the second document
- 34 object.

1	18.	The method of claim 16 wherein the link relationship stored in the one or more		
2	link directories may be organized, sorted, searched and filtered by one or more attributes			
3	assigned to the link relationships.			
4	19.	The method of claim 17 wherein the link references stored in the one or more link		
5	directories may be organized, sorted, searched and filtered by one or more attributes			
6	assigned to the link references.			
7	20.	The method of claim 1, wherein the step of providing one or more link references		
8	to document objects on the network comprises:			
9		selecting the displayed link references for display based on a link		
10		relationship to the currently displayed document object; and		
11		filtering the displayed link references by attributes.		
12	21.	A system for establishing and providing access to relationships between document		
13	objec	ts stored on a network wherein the relationship between a first document object and		
14	a second document object may be created by an individual user of the network and			
15	provi	ded to other users of the network, the system comprising:		
16		one or more client devices that access document objects stored on the		
17	network and allow creation of link relationships between a first document object			
18		and a second document object; and		
19		one or more servers that store the link relationships created by the client		
20		devices and transmit one or more link relationships and link references to the		
21		client devices.		
22	22.	The system of claim 21, wherein the one or more servers filter and sort the link		
23	relati	onships and link references before transmitting the link relationships and link		
24	refer	ences to the client devices.		
25	23.	The system of claim 21, wherein the client devices filter and sort the link		
26	relat	ionships and link references after the link relationships and link references are		
27	transmitted to the client devices from the one or more servers.			
28	24.	The system of claim 21, wherein the one or more servers comprise:		
29		one or more link directories that store the link relationships created on the		
30		one or more client devices;		
31		a server manager module that coordinates communication between the one		

server; and

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or more link directories, a user directory, a database of user profile data, and the

one or more client devices if those client devices are requesting services from the

1		a user data store that stores information regarding authorized users of the	
2		servers and link directories.	
3	25.	The system of claim 24, wherein the user data store comprises:	
4		a user directory, the user directory comprising one or more user data	
5		records containing personal identifying information and information regarding	
6		which of the one or more link directories and the one or more servers a user may	
7		be authorized to access;	
8		a user profile store, the user profile store comprising one or more user	
9		profile records each containing one or more user profiles for each authorized user	
10		of the servers and link directories; and	
11		a user account store, the user account store comprising one or more user	
12		account records each containing Linkspace system usage data for each authorized	
13		user of the servers and link directories.	
14	26.	The system of claim 21, wherein the one or more client devices comprise:	
15		a client tool, wherein the client tool comprises a Linkspace graphic user	
16		interface display;	
17		a rendering tool that renders and displays document objects, the rendering	
18		tool comprising:	
19		a graphic user interface display; and	
20		a document object network address; and	
21		a network access tool that connects the rendering tool and the client tool to	
22		the network.	
23	27.	The system of claim 26, wherein the document object network address comprises	
24	a Uniform Resource Locator.		
25	28.	The system of claim 26, wherein the client device further comprises one of:	
26		one or more link directories that store the link relationships;	
27		a communications module that coordinates communication between the	
28		one or more link directories, a user directory, a database of user profile data, and	
29		the one or more client devices; and	
30		a user data store that stores information regarding authorized users of the client	
31		tool.	
32	29.	The system of claim 24, wherein the one or more link directories comprise:	
33		a link relationship table comprising a plurality of link relationship entries,	
34		the link relationship entries comprising:	

1	a first field comprising a first link reference to the first document		
2	object of the link relationship;		
3	a second field comprising a second link reference to the second		
4	document object of the link relationship;		
5	one or more link relationship attributes providing information that		
6	places the link relationship in a context useful to the user; and		
7	a directional indicator that indicates whether the link relationship		
8	between the first link reference to the first document object and the second		
9	link reference to the second document object applies in either direction or		
10	in both directions.		
11	30. The system of claim 29, wherein the directional indicator comprises a plurality of		
12	directional indicator fields, each directional indicator field corresponding to one of the		
13	one or more link relationship attributes and indicating whether the corresponding link		
14	relationship attribute applies in one direction or in both directions between the first link		
15	reference to the first document object and the second link reference to the second		
16	document object.		
17	31. The system of claim 29, wherein the one or more link directories further comprise		
18	a document object table comprising a plurality of link reference entries, the		
19	link reference entries comprising:		
20	a network address of the document object on the network indicated		
21	by the link reference entry; and		
22	one or more document object attributes providing information that		
23	places the document object indicated by the link reference entry in a		
24	context that is useful to the user.		
25	32. The system of claim 31, wherein the network address comprises a Uniform		
26	Resource Locator.		
27	33. The system of claim 32, wherein the link reference entries further comprise a		
28	listing of all link relationship entries in which the network address of the document object		
29	indicated by the link reference entry is present in the first field or the second field of the		
30	link relationship entries.		
31	34. The system of claim 33, wherein the network address comprises a Uniform		
32	Resource Locator.		

- 1 35. The system of claim 29, wherein the network address of the document object on
- 2 the network may include only that information necessary to specify the location of the
- 3 document object on the network.
- 4 36. The system of claim 35, wherein the network address comprises a Uniform
- 5 Resource Locator.
- 6 37. The system of claim 21, wherein the network is one or more of: a private
- 7 network, a closed network, a public network, and a private network that is connected to a
- 8 public network.
- 9 38. The system of claim 21, wherein the one or more link directories are accessible
- only by a specific individual user of a client device.
- 11 39. The system of claim 21, wherein the one or more link directories may be stored on
- 12 a server connected to the network by means of a secure connection.
- 13 40. A computer readable medium upon which is embedded instructions for carrying
- out a method for enabling users of a network to create, store, and provide access to
- relationships among document objects stored on the network, the method comprising the
- 16 steps of:
- allowing a user of the network to create a link relationship between a first
- document object and a second document object;
- 19 storing the link relationship in one or more link directories; and
- 20 providing all users of the network access to the link relationships stored in
- 21 the one or more link directories based upon the document object currently
- accessed by the user.
- 23 41. The computer readable medium of claim 40, wherein the providing step comprises
- 24 providing access only to authorized users.
- 25 42. The computer readable medium of claim 40, further comprising authorizing users
- of the network to perform the allowing, storing and providing steps.
- 27 43. The computer readable medium of claim 40, wherein the allowing step comprises:
- a first user locating a first document object;
- 29 the first user locating a second document object related to the first
- document object in some manner determined by the first user; and
- the first user creating a link relationship between the first document object
- and the second document object.

1	44.	The computer readable medium of claim 43, wherein one or more of the steps of
2	the m	ethod are accomplished by automated procedures not requiring interaction with the
3	user.	
4	45.	The computer readable medium of claim 40, wherein the storing step comprises:
5		storing a link relationship entry in a link relationship table, wherein the
6		link relationship entry comprises fields including a first link reference to the first
7		document object and a second link reference to the second document object;
8		assigning link relationship attributes to the link relationship entry; and
9		setting a directional indicator for the link relationship entry.
10	46.	The computer readable medium of claim 45, wherein the step of storing the link
11	relation	onship in one or more link directories further comprises:
12		storing the first link reference to the first document object in a document
13		object table;
14	•	assigning document object attributes to the first link reference associated
15		with the first document object;
16		storing the second link reference to the second document object in a
17		document object table; and
18		assigning document object attributes to the second link reference
19		associated with the second document object.
20	47.	The computer readable medium of claim 46, wherein one or more of the link
21	relati	onship attributes are set; and a directional indicator for the link relationship attribute
22	is set	by associating one document object attribute for the first link reference with one
23	docu	ment object attribute for the second link reference.
24	48.	The computer readable medium of claim 43 further comprising:
25		selecting a link reference to a first document object related to a second
26		document object that a second user is currently accessing, by identifying those
27		link relationships, stored in the one or more link directories, that include a link
28		reference to a network address of the second document object the second user is
29		currently accessing; and
30		displaying the selected link reference to the second user.
31	49.	The computer readable medium of claim 48, wherein the displaying step
32	comp	rises displaying more than one link reference from one or more link directories.

- 1 50. The method of claim 48, wherein the displaying step comprises sorting and
- 2 presenting one or more link references by the one or more link directories storing the link
- 3 references.
- 4 51. The method of claim 50, wherein the displaying step comprises sorting and
- 5 presenting the one or more link references by attributes of the link relationships and link
- 6 references.
- 7 52. The computer readable medium of claim 40, wherein the one or more link
- 8 directories are accessible only by a specific individual user of a client device.
- 9 53. The computer readable medium of claim 40 wherein the one or more link
- directories may be stored on a server connected to the network by means of a secure
- 11 connection.
- 12 54. The computer readable medium of claim 40 further comprising assigning
- attributes to the link relationship established between the first document object and the
- 14 second document object.
- 15 55. The computer readable medium of claim 54 further comprising assigning
- attributes to a first link reference to the first document object and a second link reference
- to the second document object.
- 18 56. The computer readable medium of claim 54 wherein the link relationship stored in
- 19 the one or more link directories may be organized, sorted, searched and filtered by one or
- 20 more attributes assigned to the link relationships.
- 21 57. The computer readable medium of claim 55 wherein the link references stored in
- 22 the one or more link directories may be organized, sorted, searched and filtered by one or
- 23 more attributes assigned to the link references.